

Project Baseline Summary Report

Data Source: **EM CDB**
Operations/Field Office: **Oak Ridge**
Site Summary Level: **Oak Ridge Reservation**
Project **OR-364 / TRU Waste Privatization**

Report Number: **GEN-01b**
Print Date: **3/9/2000**
HQ ID: **0128**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

The Transuranic (TRU) Waste Treatment Project is a privatization project to process 900 cubic meters of TRU sludges, 1600 cubic meters of supernate, 1000 cubic meters of Contact Handled TRU Solids, and 550 cubic meters of Remote Handled TRU Solids. It is a fixed price contract that is structured in four phases. Phase I, permitting and licensing, is scheduled to be complete by November 2000, followed by construction of the facility. Waste processing will begin in January 2003 and will meet Site Treatment Plan milestones established in the Tennessee Commissioners Order. A further discussion of the TRU Waste Program at Oak Ridge National Laboratory is found in PBS 151, ORR Legacy Waste, which funds the program management storage and collection of TRU waste.

Project Status in FY 2006:

The facility will be in operation by January 2003 and the privatization activities will be completed.

Post-2006 Project Scope:

The facility will be in operation by January 2003 and the privatization activities will be completed.

Project End State

The TRU Waste Facility will be privatized.

Cost Baseline Comments:

This is a privatization PBS. The needed funds were obtained from the actual contract award

Safety & Health Hazards:

The hazards identified for this project and its subprojects include those associated with handling, transportation and storage of radioactive and mixed wastes; handling, transportation and storage of various chemicals, including acids; normal industrial hazards (e.g., operating fork trucks, cranes, trucks, use of electrical components and tools, etc); normal occupational hazards (e.g., lifting, tripping, or falls); handling heavy loads; and construction.

Safety & Health Work Performance:

Control will be put in place to ensure the safety and health of the workers, the public and the environment. An EIS was produced for the construction and operation of the processing facilities. A BIO or SAR will be prepared to provide design, construction and operational guidance to mitigate hazards related to the radiological concerns. Work Smart Standards will be used to meet specific project needs. Included in the controls, to ensure safety and health of the workers, the public and the environment will be specific provisions related to monitoring for and mitigation of the seen and unseen hazards such as fire, radiation exposure and contamination, sight, and hearing damage, airborne contaminants and release to the environment.

PBS Comments:

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

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Project Description Narratives

Baseline Validation Narrative:

This project has been independently validated by three different groups of individuals. The most recent by Terradesign, Inc., which was mandated by congress. The entire independent assessment report is available for review and has been coordinated with DOE-HQ.

General PBS Information

Project Validated? Yes **Date Validated:** 11/1/1998
Has Headquarters reviewed and approved project? Yes
Date Project was Added: 3/10/1999
Baseline Submission Date: 7/1/1999
FEDPLAN Project? No

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	N	Y	N	N	N	Y	Y	N

Project Identification Information

DOE Project Manager: Clayton Gist
DOE Project Manager Phone Number: 423-576-6821
DOE Project Manager Fax Number: 423-576-6074
DOE Project Manager e-mail address: gistcs@oro.doe.gov
Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006
PBS Baseline (current year dollars)	0	0	0												

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Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
PBS Baseline (constant 1999 dollars)	0	0	0													
PBS EM Baseline (current year dollars)	0	0	0													
PBS EM Baseline (constant 1999 dollars)	0	0	0													
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)																
PBS Baseline (constant 1999 dollars)																
PBS EM Baseline (current year dollars)																
PBS EM Baseline (constant 1999 dollars)																

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
			2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070

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2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project:

Current Projected End Date of Project: 1/1/2003

Explanation of Project Completion Date Difference (if applicable):

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):

Actual 1997 Cost:

Actual 1998 Cost:

Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):

0

Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):

0

Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):

0

Project Cost Changes

Cost Adjustments Reconciliation Narratives

Cost Change Due to Scope Deletions (-):

Cost Reductions Due to Efficiencies (-):

Cost Associated with New Scope (+):

Cost Growth Associated with Scope Previously Reported (+):

Cost Reductions Due to Science & Technology Efficiencies (-):

Subtotal:

0

Additional Amount to Reconcile (+):

0

Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):

0

Milestones

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Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
TRU Waste Privitization - Project Start	OR364-001		10/1/1996								
TRU Waste Privitization - Project Completion	OR364-002		1/1/2003								
Start-up of TRU Privatization Operations	OR364-003		1/29/2003								
TRU Waste Privitization Mission Completion	OR364-004		1/1/2003								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
TRU Waste Privitization - Project Start	OR364-001			Y							Start of receipt of Privatization Funding
TRU Waste Privitization - Project Completion	OR364-002				Y						Last year of receipt of Privatization Funding.
Start-up of TRU Privatization Operations	OR364-003		Y				3	3	4		Start-up of TRU Privatization Operations
TRU Waste Privitization Mission Completion	OR364-004					Y					